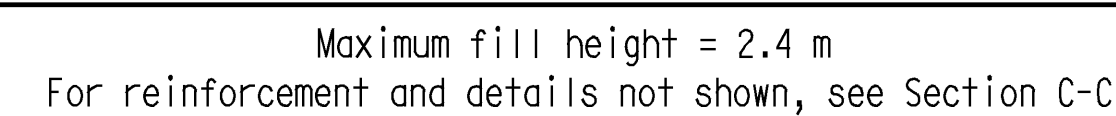


1. Designed in conformance with Bridge Design Specifications (1983 AASHTO Specifications with revisions by Caltrans).
2. Live load: HS20-44 truck. Earth pressures: 22.0 kPa/m vertical, 15.7 kPa/m horizontal.
3. Unit stresses: $f'_c = 25 \text{ MPa}$; $f_y = 400 \text{ MPa}$
4. Maximum fill height = 6 m.

1. Plans shall designate: inlet and outlet pipe diameters, upper structure or manhole (if required), lateral pipe diameter and skew (if required), C, H, and H_D . Manhole or lateral may be omitted.
2. Upper structure, when required, may be any designated inlet type as shown on Standard Plan D72, D73, D74, D75 or this sheet.
3. Risers shall be positioned to either side of the structure as shown.
4. Each riser shall have a ladder. For details see Standard Plan D93.
5. Thickness of deck shall vary as necessary to provide a level manhole seat.
6. Reinforcing steel shall be placed 50 mm clear, except as shown.
7. Maximum skew of lateral pipe B is 45^0 .
8. Lateral may be placed in either side wall.
9. Where D_1 and/or D_2 are less than 1050 mm, clear distance between side walls shall be 1050 mm. End walls shall be 150 mm thick with #13 @ 300 mm placed both ways.
10. Side walls shall be flush with the inside of the inlet and outlet pipes when pipe diameters are 1050 mm or more.
11. L is 1500 mm minimum.
12. When C is not specified, bring the lateral directly into the wall of the structure.
13. When C is specified, contractor may, at his option, bring the lateral directly into the wall for use as an inside form. A collar conforming with the wall thickness and reinforcement as shown in section B-B shall be poured around the pipe.
14. When lateral is extended directly into the wall, it shall be mitered as necessary to be flush with wall.
15. "b" bars shall extend a minimum of 200 mm on either side of the opening.
16. Adjacent to each side of the opening, place additional reinforcement equivalent to half the interrupted main reinforcement.



	SHEET	OF
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